

Appl. No. 10/806,493
Examiner: WUJCIAK, ALFRED J, Art Unit 3632
In response to the Office Action dated March 15, 2006

Date: April 21, 2006
Attorney Docket No. 10113961

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-3 (canceled)

Claim 4 (currently amended): ~~The liquid crystal display as claimed in claim 3,~~ A liquid crystal display, comprising:

a supporting base having a first section, a second section, a third section, a first pivot positioned between the first section and the second section, and a second pivot positioned between the second section and the third section, wherein the second section of the supporting base is hollow, and wherein the first pivot comprises a fixed element connected to the first section of the supporting base, and a movable element connected to the second section of the supporting base;

a display unit connected to the third section of the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

a pre-force mechanism having a first end connected to the first pivot and a second end movably disposed in the second section, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section of the supporting base, and a spring disposed on the rod and pressed against the stopper, and wherein the pre-force mechanism exerts a second torque on the first pivot, and the second torque and the first torque being in opposite directions.

Claim 5 (original): The liquid crystal display as claimed in claim 4, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

Claim 6 (original): The liquid crystal display as claimed in claim 5, wherein the fixed element of the first pivot comprises an opening, and the first end of the rod is hooked at the opening such that the rod is coupled to the fixed element.

Appl. No. 10/806,493

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Claim 7 (original): The liquid crystal display as claimed in claim 5, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

Claim 8 (original): The liquid crystal display as claimed in claim 5, wherein the spring is integrally formed on the second end of the rod.

Claim 9 (previously presented): The liquid crystal display as claimed in claim 5 further comprising a wear liner disposed between the second end of the rod and the second section of the supporting base.

Claim 10 (previously presented): The liquid crystal display as claimed in claim 9, wherein the wear liner is fixed on the second end of the rod.

Claim 11 (original): The liquid crystal display as claimed in claim 9, wherein the wear liner is fixed on an inner wall of the second section of the supporting base.

Claims 12-14 (canceled)

Claim 17 (original): ~~The supporting base as claimed in claim 16,~~ A supporting base, comprising:

a first section;

a second section, wherein the second section is hollow;

a first pivot coupled to the first section and the second section, wherein the first pivot comprises a fixed element connected to the first section and a movable element connected to the second section;

a third section exerting a first torque;

a second pivot coupled to the third section and the second section; and

a pre-force mechanism having a first end connected to the first pivot and a second end movably disposed in the second section, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section, and a spring disposed on the rod and pressed against the stopper, and wherein the pre-force mechanism exerts a second torque opposite to the first torque on the first pivot.

Appl. No. 10/806,493

Examiner: WUJCIAK, ALFRED J, Art Unit 3632

In response to the Office Action dated March 15, 2006

Date: April 21, 2006

Attorney Docket No. 10113961

Claim 18 (original): The supporting base as claimed in claim 17, wherein the rod comprises a first end coupled to the fixed element of the first pivot, a second end, and a middle portion located between the first end and the second end.

Claim 19 (original): The supporting base as claimed in claim 18, wherein the fixed element of the first pivot comprises an opening, and the first end of the rod is hooked at the opening of the fixed element of the first pivot such that the rod is coupled to the fixed element.

Claim 20 (original): The supporting base as claimed in claim 18, wherein the second end of the rod is thinner than the middle portion of the rod so that the spring is positioned between the stopper and the second end of the rod.

Claim 21 (original): The supporting base as claimed in claim 18, wherein the spring is integrally formed on the second end of the rod.

Claim 22 (original): The supporting base as claimed in claim 18 further comprising a wear liner disposed between the second end of the rod and the second section.

Claim 23 (original): The supporting base as claimed in claim 22, wherein the wear liner is fixed on the second end of the rod.

Claim 24 (original): The supporting base as claimed in claim 22, wherein the wear liner is fixed on an inner wall of the second section.

Claim 25 (previously presented): A liquid crystal display, comprising:

a supporting base having a first section, a second section, a third section, a first pivot positioned between the first section and the second section, and a second pivot positioned between the second section and the third section, wherein the first pivot comprises a fixed element connected to the first section of the supporting base and a movable element connected to the second section of the supporting base;

Appl. No. 10/806,493

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a display unit connected to the third section of the supporting base, exerting a first torque on the first pivot by a weight of the display unit; and

a pre-force mechanism disposed in the second section and connected to the first pivot to exert a second torque on the first pivot, wherein the pre-force mechanism comprises a rod coupled to the fixed element of the first pivot, a stopper disposed in the second section of the supporting base, and a spring disposed on the rod and pressed against the stopper.